DATE: 7/15/2010 API #: 47-021-5573

State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work

65

| Farm name: Gum, Ernest Kemp, Jr. | | Operator We | ell No.: Garrett # | ‡ 4 | |
|--|---|-------------------|--------------------|---------------|------------|
| LOCATION: | | | | | |
| Elevation: 1102' | | Quadrangle: | | | |
| District: Troy | | County: Gilr | | | |
| Latitude: 1260' Feet South of 39 | Deg. 07 | Min 9.8 | Sec. 14 | | |
| Longitude: 1680' Feet West of 80 Company: Ramsey Associated Petroleum, Inc. | Deg. 79 | Min. 7.8 | Sec. 29 | | |
| Company. Kamsey Associated Petroleum, Inc. | Casina | rr1:- | T 0: 11 | la | |
| | Casing & Tubing | Used in drilling | Left in well | Cement fill | |
| Address: P.O. Box 90 | Tublig | drining | | Up. Cu. Ft. | |
| Glenville, WV 26351 | 9" | | 124' | | |
| Agent: Leon Ramsey | 7" | | 721' | 00 | |
| Inspector: David Gilbert | 4 1/2 " | | | Surface | |
| Date Permit Issued: 4/23/08 | 4 72 | | 4783' | 4000' | |
| | | | | | |
| Date Well Work Commenced: 9/28/08 | | | | | |
| Date Well Work Completed: 7/2/09 | | | | | |
| Verbal Plugging: | | | | | |
| Date Permission granted on: | | | | | |
| Rotary X Cable Rig | | | | | |
| Total Depth (feet): 4814' | | | | | |
| Fresh Water Depth (ft.): 80' | | | | | |
| G 1 W | | | | | |
| Salt Water Depth (ft.): N/A | | | | | |
| | | | | | |
| Is coal being mined in area (N/Y)? N | | | | | |
| Coal Depths (ft.): | | | | Ì | |
| OPENFLOWDATA | | | | | |
| OF ENT-LOW DATA | | | | | |
| Producing formation ELK | Pay zone der | oth (ft) 4752'-46 | 38' | | |
| Gas: Initial open flow No test MCF/d Oil: Initial o | | Bbl/d | 50 | | |
| - | pen flow 0 | Bbl/d | | | |
| Time of open flow between initial and final tests | , , , , , , | Hours | | | |
| Static rock Pressure psig (surface pre | essure) after | Hours | | | |
| po.g (survivo pro | 000000000000000000000000000000000000000 | 110415 | | | |
| Second producing formation BENSON BALLTOW | N Pav z | one depth (ft) 4 | 470' – 3372' | | |
| Gas: Initial open flow No test MCF/d Oil: Initial of | | Bbl/d | .,, | | |
| | pen flow 0 | '_Bbl/d | | | |
| Time of open flow between initial and final tests | 3011 110 11 0 | Hours | | | |
| Static rock Pressure psig (surface pre | essure) after | Hours | | | |
| NOTE: ON BACK OF THIS FORM PUT THE FOL | LOWING: 1), I | DETAILS OF PE | ERFORATED II | NTERVALS. | |
| FRACTURING OR STIMILI ATING DUVSICAL O | THANGE ETC | 2) THE WELL | LOC WHICH | IC A CVCTENAA | TIC |
| DETAILED GEOLOGICAL RECORD OF ALL FO | RMATIONS, I | NCLUDING CO | AL ENCOUNT | ERED BY THE | C/S2 |
| WELLBORE. | | | | RECOIL OIL | |
| 7/ | | | 1330 | ce or | 14 |
| Signed: | | | Our | . DR 22 L | , of |
| V | - | | | VAL. | ment or |
| DETAILED GEOLOGICAL RECORD OF ALL FO WELLBORE. Signed: LEON RAMSEY | Date: | 7/15 | 5/2010 | | Projection |
| | | | | WY Don't | 911 |
| | | | | annio. | |

SUMMARY OF PROCEDURES AND ESTIMATED FORMATION TOPS FOR RAMSEY ASSOCIATED PETROLEUM, INC. GARRETT #4

Lease Name: Garrett heirs
API# 47-021-5573
Gilmer 7.5' Quadrangle
Elevation 1102'
TROY DISTRICT
GILMER COUNTY, WEST VIRGINIA

| ZONE | DEPTH | GAS CHECK | REMARKS |
|-------------|---------------|-----------|---------|
| LITTLE LIME | 1943' – 1960' | | |
| BIG LIME | 1968' – 2061' | | |
| BIG INJUN | 2062' – 2149' | | |
| GORDON | 2438' – 2457' | | |
| SPEECHLEY | 2956' – 3254' | | |
| BALLTOWN | 3348' – 3804' | | |
| BENSON | 4459' – 4469' | | |
| ELK | 4531' – 4766' | | |
| | | | |

TOTAL DEPTH 4998'

Perforations & Fracture Treatment Well Name: GARRETT 4 API # 47- 021-05573 T.D. 4783' of 9.50 # 4 ½"

| 1st Stage- | E | LK | (from | 4752 | ' to | 4638 | | |
|----------------|-------------|------------|-----------|---------------|--------------|---------|---------------|--|
| 60 | _QF | 300 | sks 20/40 | | | | | |
| 500 gal. 15% | 6 HCL | | | | | | | |
| with Clay ar | d Iron S | Stabilizer | | | | | | |
| 14 | pe | rforations | w/ | perforati | on balls | | | |
| 1, 2, 3 ppg (d | | | | | | | | |
| | | - | | | | | | |
| | | | | | | | | |
| 2nd Stage- | | BENSON- | BALLTOW | <u>V</u> (fro | om <u>44</u> | .70' to | o <u>3372</u> | |
| _60QF_ | 400 | _sks 20/4 | 0 | | | | | |
| 500 gal. 15% | 6 HCL | | | | | | | |
| with Clay an | d Iron S | Stabilizer | | | | | | |
| 18 | pe | rforations | w/ | perforati | on balls | | | |
| 1, 2, 3 ppg @ | | | | | | | | |
| , , 1100 | | • | | | | | | |
| | | | | | | | | |

DATE: 6/11/2010 API # : 47-021-5574

State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work



| Farm name: Gum, Ernest Kemp, Jr. LOCATION: | | Operator We | ll No.: Garrett # | ¹ 5 | |
|---|--------------|------------------|-------------------|----------------|---------------------------------|
| Elevation: 1134' | | Quadrangle: | Auburn 7.5 | | |
| District: Troy | | County: Giln | | | |
| Latitude: 2400' Feet South of 39 | Deg. 07 | Min | Sec. | | |
| Longitude 1470' Feet West of 80 | Deg. 79 | Min. 8.8 | Sec. | | |
| Company: Ramsey Associated Petroluem, Inc. | - 8 | | 500. | | |
| - | Casing & | Used in | Left in well | Cement fill | |
| | | drilling | | Up. Cu. Ft. | |
| Address: P.O. Box 90 | | | | | |
| Glenville, WV 26351 | 9" | | 35' | | |
| Agent: Leon Ramsey | 7" | | 1044' | Surface | |
| Inspector: David Gilbert | 4 1/2 " | | 4548'' | 3000' | |
| Date Permit Issued: 4/23/08 | | | | | |
| Date Well Work Commenced: 11/19/08 | | | | + | |
| Date Well Work Completed: 2/23/09 | | | | | |
| Verbal Plugging: | | | | | |
| Date Permission granted on: | | | | | |
| Rotary X Cable Rig | | | | - | |
| Total Depth (feet): 4934' | | | | - | |
| Fresh Water Depth (ft.): 87' | | | | | |
| 11001 Water Depart (12.). | | | | - | |
| Salt Water Depth (ft.): 1702' | | | | | |
| Is coal being mined in area (N/Y)? N | | | | | |
| Coal Depths (ft.): | | | | | |
| OPENFLOWDATA Producing formation BENSON | | n (ft) 4440' – 4 | 431' | RE(| OEIVED Oil and Gas |
| Gas: Initial open flow No test MCF/d Oil: Initial open | • | Bbl/d | | . 0 | R 2 2 2014 |
| | en flow 0 | Bbl/d | | | |
| Time of open flow between initial and final tests | | Hours | | 100 | repartment of |
| Static rock Pressure psig (surface pres | ssure) after | Hours | | MAL | eparting Protection |
| Second producing formation BALLTOWN SPEECH Gas: Initial open flow No test MCF/d Oil: Initial open | | ne depth (ft) 37 | 711' – 2938' | Environ | repartment of mental Protection |
| | en flow 0 | '_Bbl/d Hours | | | |
| Static rock Pressure psig (surface pres | ssure) after | Hours | | | |
| NOTE: ON BACK OF THIS FORM PUT THE FOLI | | | ERFORATED II | NTERVALS. | |
| FRACTURING OR STIMULATING, PHYSICAL C DETAILED GEOLOGICAL RECORD OF ALL FOI WELLBORE. | HANGE, ETC. | 2). THE WELL | LOG WHICH | IS A SYSTEM | |
| Signed: | | | | | |
| By: LEON RAMSEY | Date: | 6/11/2010 | | | |

SUMMARY OF PROCEDURES AND ESTIMATED FORMATION TOPS FOR RAMSEY ASSOCIATED PETROLEUM, INC. GARRETT #5

Lease Name: Garrett heirs
API# 47-021-5574
Gilmer 7.5' Quadrangle
Elevation 1134'
TROY DISTRICT
GILMER COUNTY, WEST VIRGINIA

| ZONE | DEPTH | GAS CHECK | REMARKS | |
|------------------|---------------|-----------|---------|--|
| LITTLE LIME | 1927' – 1954' | | | |
| BIG LIME | 1954' – 2016' | | | |
| BIG INJUN | 2016' – 2089' | | | |
| SPEECHLEY | 2926' – 3229' | | | |
| BALLTOWN | 3341' - 3781' | | | |
| BENSON | 4431' – 4440' | | | |
| | | | | |
| | | | | |

TOTAL DEPTH 4934'

Perforations & Fracture Treatment Well Name: Garrett 5 API # 47-021-5574

T.D. <u>4584'</u> of 9.50 # 4 ½"

| 1st Stage- Benson (from 4440 'to 4431 ') |
|---|
| 60 QF 400 sks 20/40 |
| 500 gal. 15% HCL |
| with Clay and Iron Stabilizer |
| 18 perforations w/6 perforation balls |
| 1, 2, 3 ppg @ 25-30 BBl per min |
| |
| |
| 2nd Stage- Balltown - Speechly (from 3711 'to 2938 ') |
| <u>60</u> QF <u>350</u> sks 20/40 |
| 500 gal. 15% HCL |
| with Clay and Iron Stabilizer |
| 18 perforations w/4 perforation balls |
| 1, 2, 3 ppg @25-30 BBl per min |
| |
| |

DATE: 6/10/2010 API #: 47-021-5575

State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work

| Farm name: Gum, Ernest Ken | np, Jr. | | | | Operate | or We | ll No.: Garrett # | 6 | |
|--------------------------------|----------------|---------------|----------|-------------|--------------|--------|-------------------|-------------|---------------------------|
| LOCATION: | | | | | 0 1 | | . 1 . 7.51 | | |
| Elevation: 1189' | | | | | - | _ | Auburn 7.5' | | |
| District: Troy | | 20 | ъ | 0.5 | County | | | | |
| | et South of | 39 | Deg. | 07 | Min | 26 | Sec. 15 | | |
| | et West of | 80 | Deg. | 79 | Min. | 62 | Sec. 96 | | |
| Company: Ramsey Associated | d Petroluem, | inc. | 70 | . 0 | hrana en | | l τ.α | la en | |
| | | | Casing | _ | Used in | | Left in well | Cement fill | |
| | | | Tubin | <u>g</u> | drilling | | - | Up. Cu. Ft. | |
| Address: P.O. Box 90 | | | | | - | | | | |
| Glenville, WV | 26351 | | | | | | | | |
| Agent: Leon Ramsey | | | 7" | | | | 876' | Surface | |
| Inspector: David Gilbert | · | | 4 ½ " | | | | 4922' | 3000' | |
| Date Permit Issued: | 4/23/ | 08 | | | | | | | |
| Date Well Work Commenced | : 10/23 | 3/08 | | | | | | | |
| Date Well Work Completed: | 6/10/ | 09 | | | | | | | |
| Verbal Plugging: | | | | | | | | | |
| Date Permission granted on: | | | | | | | | | • |
| Rotary X Cable | Rig | | | | | | | | • |
| Fotal Depth (feet): | 5014 | , | | | | | | | • |
| Fresh Water Depth (ft.): | | | | | | | | | • |
| resir water Depart (111). | | | | | | | | | • |
| Salt Water Depth (ft.): | N/A | | | | + | | | | • |
| Sait Water Depair (it.). | 14/21 | | | | | | | RECEN | VED |
| Is coal being mined in area (N | J/Y)? N | | | | | | | of O | i & Gas |
| | 1/1): N | | | | - | | ļC | Muce or A | 11 3 000 |
| Coal Depths (ft.): | | | | | l | | 1 | 1 | ≎n4 <i>l</i> i |
| ODENIEI OWD ATA | | | | | | | | APR 23 | . ₹01 9 |
| OPENFLOWDATA | | | | | | | | | |
| Producing formation ELK -B | ENICONI | | Dov | zona dar | oth (ft) 488 | 5, 15, | 14, | MV Denar | tment of al Protection |
| - | | il. Initial a | - | _ | Bbl | | ** | ironmonts | a Protection |
| Gas: Initial open flow No test | | Final o | - | | Bbl | | | nonnenc | 2111 |
| Final open flow No test | | - | | v u | | /a | | | |
| Time of open flow betwee | | | | • | Hours | | | | |
| Static rock Pressure | psig (| surface pr | essure) | aπer | Hour | S | | | |
| | | | | _ | | | | | |
| Second producing formation | | | | • | - | | 153' – 3384' | | |
| Gas: Initial open flow No tes | | | - | | | ol/d | | | |
| Final open flow No test | MCF/d | Final o | pen flov | v 0 | '_Bb | ol/d | | | |
| Time of open flow betwee | en initial and | final tests | | | Hours | | | | |
| Static rock Pressure | | surface pr | | | Hour | | | | |
| NOTE: ON BACK OF THIS | | | | | | | | | |
| FRACTURING OR STIMUL | | | | | | | | | |
| DETAILED GEOLOGICAL | RECORD O | F ALL FC | PRMAT | IONS, I | NCLUDIN | IG CC | DAL ENCOUNT | ERED BY TH | Œ |
| WELLBORE. | | | | | | | | | |
| 11 | | | | | | | | | |
| Signed: | | | | | | | | | |
| | ACTES Z | | | ъ. | _ | C 14 1 | 0/10 | | |
| By: <u>LEÓN RAN</u> | MSEY | | | Date | ÷: | 0/10 | 0/10 | | |
| - | | | | | | | | | |

SUMMARY OF PROCEDURES AND ESTIMATED FORMATION TOPS FOR RAMSEY ASSOCIATED PETROLEUM, INC. GARRETT #6

Lease Name: Garrett heirs
API# 47-021-5575
Gilmer 7.5' Quadrangle
Elevation 1189'
TROY DISTRICT
GILMER COUNTY, WEST VIRGINIA

| DEPTH | GAS CHECK | REMARKS |
|---------------|--|--|
| 1964' – 2017' | | |
| 2084' – 2153' | | |
| 2154' – 2228' | | |
| 3381' – 3695' | | |
| 3807' – 4186' | | |
| 4539' – 4557' | | |
| 4718' – 4938' | | |
| | | |
| | 1964' - 2017' 2084' - 2153' 2154' - 2228' 3381' - 3695' 3807' - 4186' 4539' - 4557' | 1964' - 2017' 2084' - 2153' 2154' - 2228' 3381' - 3695' 3807' - 4186' 4539' - 4557' |

TOTAL DEPTH 5014'

Perforations & Fracture Treatment

Well Name: GARRETT 6

API # 47-021-5575

T.D. <u>4922'</u> of 9.50 # 4 ½"

| | ELK-BENSON_ | | (from _ | 4884 | ' to _ | 4665 | |
|---------------|--------------------|----------|-------------|---------|--------|----------|---|
| | 400 sks 20/40 | | | | | | |
| 500 gal. 15% | | | | | | | |
| with Clay an | d Iron Stabilizer | | | | | | |
| 20 | perforations w/ | <u>6</u> | perforation | n balls | | | |
| 1, 2, 3 ppg @ | 25-30 BBl per min | | | | | | |
| | BALLTOWN-9 | SPEECI | HLY | (from _ | 4153 | ' to3384 | 4 |
| 500 gal. 15% | | | | | | | |
| • | d Iron Stabilizer | | | | | | |
| • | perforations w/ | 6 | perforation | n balls | | | |
| 1, 2, 3 ppg @ | 225-30 BBl per min | | | | | | |
| | | | | | | | |
| | | | | | | | |

Second producing formation BIG INJUN

Final open flow No test

By:

Gas: Initial open flow No test MCF/d Oil: Initial open flow 0

Time of open flow between initial and final tests

LEON RAMSEY

MCF/d

DATE: 6/29/2010 API#: 47-021-557

State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work



Farm name: Gum, Ernest Kemp, Jr. Operator Well No.: Garrett #7 LOCATION: Elevation: 1092' Ouadrangle: Auburn 7.5' District: Trov County: Gilmer Latitude: 4200' Feet South of 39 Deg. 07 Min 1.7 Sec. 63 Longitude: 2850 Feet West of 20 Deg. 80 Min. 1.9 Sec. 48 Company: Ramsey Associated Petroluem, Inc. Casing & Used in Left in well Cement fill Tubing drilling Up. Cu. Ft. Address: P.O. Box 90 Glenville, WV 26351 9 5/8" 124' 7" Agent: Leon Ramsey 725° Surface Inspector: David Gilbert 4 1/2 " 3882 2000' Date Permit Issued: 4/23/08 Date Well Work Commenced: 12/16/08 Date Well Work Completed: 6/23/09 Verbal Plugging: Date Permission granted on: Rotary X Cable Rig Total Depth (feet): 5002' Fresh Water Depth (ft.): 75' Salt Water Depth (ft.): 1682' Is coal being mined in area (N/Y)? Coal Depths (ft.): **OPENFLOWDATA** Producing formation BALLTOWN SPEECHLY Pay zone depth (ft) 3813' - 3283' Gas: Initial open flow No test MCF/d Oil: Initial open flow 0 Bbl/d Final open flow No test MCF/d Final open flow 0 Bbl/d Time of open flow between initial and final tests Hours Static rock Pressure psig (surface pressure) after Hours

Static rock Pressure psig (surface pressure) after NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE. Signed: WV Department of Environmental Protection

Final open flow 0

Pay zone depth (ft) 2120' - 2090

Bbl/d

'Bbl/d

6/29/2010

Hours

Hours

SUMMARY OF PROCEDURES AND ESTIMATED FORMATION TOPS FOR RAMSEY ASSOCIATED PETROLEUM, INC. GARRETT #7

Lease Name: Garrett heirs
API# 47-021-5576
Gilmer 7.5' Quadrangle
Elevation 1092'
TROY DISTRICT
GILMER COUNTY, WEST VIRGINIA

| ZONE | DEPTH | GAS CHECK | REMARKS | |
|------------------|---------------|-----------|---------|--|
| LITTLE LIME | 1862' – 1910' | | | |
| BIG LIME | 1981' – 2047' | | | |
| BIG INJUN | 2052' – 2123' | | | |
| SPEECHLEY | 3279' – 3588' | | | |
| BALLTOWN | 3714' – 4054' | | | |
| BENSON | 4568' – 4577' | | | |
| ELK | 4609' – 4829' | | | |
| | | | | |
| | | | | |

TOTAL DEPTH 5002'

Perforations & Fracture Treatment Well Name: GARRETT 7 API # 47-021-5576 T.D. 5002' of 9.50 # 4 ½''

| 1st Stage- | BAI | LTOWN SPEE | ECHLY | _ (from _ | 3813 | ' to | 3283 | , |
|---------------|----------|--------------|-------|-------------|-----------|---------|------|---|
| <u>60</u> QF | | sks 20/40 | _ | _ ` _ | | | | |
| 900 SCF N2 | | | | | | | | |
| 500 gal. 15% | 6 HCL | | | | | | | |
| with Clay an | d Iron S | tabilizer | | | | | | |
| 20 | per | forations w/ | 10 | _perforat | ion balls | | | |
| 1, 2, 3 ppg @ |)25-30 E | BBl per min | | | | | | |
| | | | | | | | | |
| 2nd Stage- | RIC | GINJUN (fi | rom 2 | 2120 | to 2090 | , , | | |
| 60 QF | | | | | | <i></i> | | |
| N2 ASSIST | | | | | | | | |
| 500 gal. 15% | 6 HCL | | | | | | | |
| with Clay an | d Iron S | tabilizer | | | | | | |
| 14 | per | forations w/ | 4 | perforation | n balls | | | |
| 1, 2, 3 ppg @ |)25-30 E | BBl per min | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

DATE: 4/23/2010 API #: 47-021-5597



State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work

| rarm name: Everett Kirkpatric i | neirs | | | Operat | or We | ell No.: #2 | | |
|--|---|---------------------------------|-------------|---|---------------|--------------------------|---------------|--------------------------|
| LOCATION: | | | | | _ | | | |
| Elevation: 1055' | | | | | | Auburn 7.5' | | |
| District: Troy | | _ | | County | | | | |
| | South of 39 | U | 03 | Min | 4.1 | Sec. | | |
| 0 | West of 80 | Deg. | 48 | Min. | 49 | Sec. | | |
| Company: Ramsey Associated l | etroluem, Inc. | Casin | or 9r | Used in | | Т - С : 11 | C C11 | |
| | | Tubir | | drilling | | Left in well | Cement fill | |
| Address: P.O. Box 90 | | 9 5/8 | | diffilig | | 42' | Up. Cu. Ft. | |
| Glenville, WV 20 | 3251 | 7" | | | | 1009' | Confess | |
| Agent: Leon Ramsey |) | / | | | | 1009 | Surface | |
| Inspector: David Gilbert | | 4 1/2" | | | | 50.453 | 4000 | |
| Date Permit Issued: | 7/2/00 | 4 72 | | | | 5047' | 4000' | |
| | 7/2/08 | | | | | - | | |
| Date Well Work Commenced: | 9/17/08 | | | | | | | |
| Date Well Work Completed: | 9/23/08 | | | | | | | |
| Verbal Plugging: | | | | | | | | |
| Date Permission granted on: | | | | | | | | |
| Rotary X Cable | Rig | | | | | | | |
| Total Depth (feet): | 5082' | | | | | | | |
| Fresh Water Depth (ft.): | 180' | | | | | | | |
| | | | | | | | | |
| Salt Water Depth (ft.): | 689' | | | | | | | |
| | | | | | | | | |
| Is coal being mined in area (N/Y | 7)? N | | | | | | | |
| Coal Depths (ft.): | • | | | | | | | |
| OPENFLOWDATA Producing formation ELK-BEN Gas: Initial open flow No test Final open flow No test Time of open flow between | MCF/d Oil: In MCF/d Finditial and final | nal open flov tests | ow 0 w 0 | Bbl Bbl Hours | /d 0 /d 0 | 001' – 4630' | | |
| Static rock Pressure | psig (suria | ce pressure) | anter | Hour | S | | | |
| Second producing formation Bar Gas: Initial open flow No test Final open flow No test Time of open flow between the Static rock Pressure | MCF/d Oil: In: MCF/d Fii nitial and final | itial open flo nal open flov | ow 0 w 0 | zone depth Bbl/d '_Bbl/d Hours Hour | 0 | 911' – 2854' | | |
| NOTE: ON BACK OF THIS FOR FRACTURING OR STIMULA'DETAILED GEOLOGICAL RIWELLBORE. Signed: LEON RAMS | FING, PHYSIC ECORD OF AL | CAL CHANC | GE, ETC | C. 2). THE VINCLUDIN | WELL IG CO | LOG WHICH PAL ENCOUNT | IS A SYSTEMAT | 'ED nd Gas |
| | | | | | | | ro Pro | tectio |

SUMMARY OF PROCEDURES AND ESTIMATED FORMATION TOPS FOR RAMSEY ASSOCIATED PETROLEUM, INC. Kirkpatrick 2

Lease Name: Kirkpatrick
API# 47-021-5597
Auburn 7.5' Quadrangle
Elevation 1055'
TROY DISTRICT
GILMER COUNTY, WEST VIRGINIA

| ZONE | DEPTH | GAS CHECK | REMARKS | |
|-------------|---------------|-----------|---------|--|
| BIG INJUN | 2083' - 2146' | | | |
| GORDON | 2500' – 2518' | | | |
| SPEECHLEY | 2854' - 3240' | | | |
| BALLTOWN | 3413' – 3932' | | | |
| BENSON | 4628' – 4641' | | | |
| ELK | 4874' – 5029' | | | |
| | | | | |
| TOTAL DEPTH | 5082' | | | |

Perforations & Fracture Treatment Well Name: Kirkpatrick 2 API # 47-021-5597 T.D. 5047' of 9.50 # 4 ½"

| 1st Stage- Elk (from 5001' to 4979 ') 500 SKS 20/40 600 scf N2 500 gal. 15% HCL with Clay and Iron Stabilizer 10 perforations w/ perforation balls 1, 2, 3 ppg @25-30 BBl per min |
|--|
| 2 nd Stage- BENSON (from 4643' to 4630') 500 SKS 20/40 600 scf N2 500 gal. 15% HCL with Clay and Iron Stabilizer 10 perforations w/ perforation balls 1, 2, 3 ppg @25-30 BBl per min |
| 3 rd Stage- BALLTOWN SPEECHLY (from 3911' to 2854') 350 SKS 20/40 400 scf N2 500 gal. 15% HCL with Clay and Iron Stabilizer 12 perforations w/ 4 perforation balls 1, 2, 3 ppg @25-30 BBl per min |

DATE: 6/11/2010 API # :47- 021-05599

State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work

| 1 | (|
|---|---|
| 5 | > |

| Farm name: Frymier, Douglas LOCATION: | | Operator W | ell No.: Frymier | #1 | |
|--|----------------|--------------------|------------------|-----------------|----------------|
| Elevation: 1008' | | Quadrangla | : Burnt House | | |
| District: DeKalb | Cour | ity: Gilmer | . Duill House | | |
| Latitude: 8490' Feet South of 39 | Deg. 01 | Min 6.3 | Sec. | | |
| Longitude 11240' Feet West of 80 | Deg. 57 | Min. 22 | | | |
| Company: Ramsey Associated Petroleum, Inc. | 206. | 141111 | ., 500. | | |
| onepunity in minimum in the original in the or | Casing & | Used in | Left in well | Cement fill | |
| | Tubing | drilling | | Up. Cu. Ft. | |
| Address: P.O. Box 90 | | | | | |
| Glenville, WV 26351 | 7" | | 1070' | surface | |
| Agent: Leon Ramsey | 4 1/2" | | 4469' | 3500' | |
| Inspector: Dave Gilbert | | | | | |
| Date Permit Issued: 6/30/08 | | | | | |
| Date Well Work Commenced: 10/02/08 | | | | | |
| Date Well Work Completed: 2/17/09 | | | | - | |
| Verbal Plugging: | | | | | |
| Date Permission granted on: | | | | | |
| Rotary X Cable Rig | | | | | |
| Total Depth (feet): 5000' | | | | | |
| Fresh Water Depth (ft.): | | | | HE(| CEIVED |
| resir water Deptir (it.). | | | | Office of | Oil and Gas |
| Salt Water Depth (ft.): N/A | | | | | |
| Sait water Depth (it.). | | | | AP R | 2 2 2014 |
| Is coal being mined in area (N/Y)? N | | | | | |
| Coal Depths (ft.): | | | | W/V De | partment of |
| Coal Depuis (It.). | | | | | ental Protecti |
| OPENFLOWDATA | | | | LIMICINIC | TROUT TO COOL |
| | | | | | |
| Producing formation BENSON BALLTOWN | Pay zone de | oth (ft) 4354' - 3 | 3753' | | |
| Gas: Initial open flow No test MCF/d Oil: Initial o | pen flow 0 | Bbl/d | | | |
| Final open flow no test MCF/d Final op | pen flow 0 | Bbl/d | | | |
| Time of open flow between initial and final tests | | Hours | | | |
| Static rock Pressure psig (surface pre | essure) after | Hours | | | |
| | , | | | | |
| Second producing formation SPEECHLY | Pay zone depth | n (ft) 3550' – 28 | 860' | | |
| Gas: Initial open flow No test MCF/d Oil: Initial o | - | Bbl/d | | | |
| | en flow 0 | '_Bbl/d | | | |
| Time of open flow between initial and final tests | , on 110 11 0 | Hours | | | |
| Static rock Pressure psig (surface pre | occura) ofter | Hours | | | |
| Static rock ressure psig (surface pre | essure) arter | 110015 | | | |
| NOTE: ON BACK OF THIS FORM PUT THE FOL | LOWING: 1) | DETAILS OF P | PERFORATED I | MTERVAIS | |
| FRACTURING OR STIMULATING, PHYSICAL C | | | | | TIC |
| DETAILED GEOLOGICAL RECORD OF ALL FO | | | | | |
| WELLBORE. | , . | 1,020211,00 | OTTE ETTOGOTT | DICED DI III | |
| $\sim \Lambda$ | | | | | |
| Signed: | _ | | | | |
| () | | | | | |
| By: LEON RAMSEY | | Date: | 6/11/2010 | | |

SUMMARY OF PROCEDURES AND ESTIMATED FORMATION TOPS FOR RAMSEY ASSOCIATED PETROLEUM, INC.

Frymier #1

Lease Name: Frymier
API# 47-021-5599
Gilmer 7.5' Quadrangle
Elevation 1008' K.B 998'
DEKALB DISTRICT
GILMER COUNTY, WEST VIRGINIA

| ZONE | DEPTH | GAS CHECK | REMARKS | |
|------------------|---------------|-----------|---------|--|
| LITTLE LIME | 1866' – 1930' | | | |
| BIG LIME | 1930' – 1955' | | | |
| BIG INJUN | 1955' – 2036' | | | |
| GORDON | 2563' – 2570' | | | |
| SPEECHLEY | 2860' – 3334' | | | |
| BALLTOWN | 3648' – 4091' | | | |
| BENSON | 4367' – 4379' | | | |
| | | | | |
| | | | | |

TOTAL DEPTH 5000'

Perforations & Fracture Treatment Well Name: Frymier #1

API # 47-_021-5599 T.D. _____4469'_ of 9.50 # 4 ½''

| 1st Stage- | BENSO | ON-BALLTOW | VN | (from | 4354 | ' to <u>3753</u> | ') |
|---------------|-----------------------|---------------------------|-----------------|--------------|------------|------------------|----|
| <u>60</u> _QF | 400 | sks 20/40 | · | · | | | |
| 900 scf N2 | | | | | | | |
| 500 gal. 15% | % HCL | | | | | | |
| with Clay ar | nd Iron St | abilizer | | | | | |
| 20 | per | forations w/ | 8 | _perforati | on balls | | |
| 1, 2, 3 ppg (| @25-30 B | Bl per min | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | <u>LY</u> (from <u>35</u> | <u>50'</u> to _ | 2860 | <u>'</u>) | | |
| _65QF | <u>400</u> | sks 20/40 | | | | | |
| 900 scf N2 | | | | | | | |
| 500 gal. 15% | 6 HCL | | | | | | |
| with Clay ar | nd Iron St | abilizer | | | | | |
| 20 | per | forations w/ | <u>10</u> | perforat | ion balls | | |
| 1, 2, 3 ppg (| $2\overline{25-30}$ B | Bl per min | | _ | | | |
| | - | _ | | | | | |
| | | | | | | | |

DATE: 4/23/2010 API #:047-021-05612



State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work

| Farm name: Osbourne, R. LOCATION: Elevation: 1238' | obert | • | | • | Operato Quadra | | ll No.: Osbouri Auburn | ne #1 |
|--|---------------------|--------------|-----------|--------|-------------------|--------|---------------------------|-----------------------------------|
| District: Troy | | | | Cour | nty: Gilmer | 8 | | |
| Latitude: 8920 | Feet South of | 39 | Deg. | 01 | Min | 69.1 | Sec. | |
| Longitude: 7950 | Feet West of | 80 | Deg. | 86 | Min. | 13.9 | | |
| Company: Ramsey Assoc | iated Petroleum, | nc. | O | | | | | |
| | , | | Casing | & | Used in | | Left in well | Cement fill |
| | | | Tubing | | drilling | | Dott in Won | Up. Cu. Ft. |
| Address: P.O. Box 9 | 0 | | 13" | > | urining | | 32' | Op. Cu. It. |
| Glenville, | | | 9 5/8" | | | | | Curfoco |
| | | | | | | | 137' | Surface |
| Agent: Leon Rams | | | 7" | | | | 1016' | Surface |
| Inspector: David Gilb | ert | | 4 1/2" | | | | 4962' | |
| Date Permit Issued: | 9/5/08 | 3 | | | | | | |
| Date Well Work Commer | nced: 10/01. | /08 | | | | | | |
| Date Well Work Complete | | | | | | | | 3000' |
| Verbal Plugging: | 11.00. | | | | | | | |
| | 0.00 | | | | - | | | |
| Date Permission granted | | | | | | | | |
| Rotary X Cable | Rig | | | | | | | |
| Total Depth (feet): | 5005 | | | | | | | |
| Fresh Water Depth (ft.): | 80' | | | | | | _ | |
| 1 | | | | | | | | |
| Salt Water Depth (ft.): | n/a | | | | | | | |
| | | | | | | | | |
| Is coal being mined in are | ea (N/Y)? N | | | | | | | |
| Coal Depths (ft.): | | | | | | | | |
| our z op une (m). | | | _ | | į. | | | 1 |
| OPENFLOWDATA | | | | | | | | |
| | | | | | | | | |
| Producing formation Bl | ENSON | | | | Pay zor | ne den | th (ft) 4964' - | 4671' |
| Gas: Initial open flow | MCF/d Oi | l. Initial o | nen flov | v 0 | Bbl | _ | ar (10) 150 i | 1071 |
| _ | MCF/d | Final op | | | Bbl | | | |
| Final open flow | | | | U | | u | | |
| Time of open flow bet | | | | | Hours | | | |
| Static rock Pressure | psig (s | urface pre | essure) a | fter | Hours | S | | |
| | | | | | | | | |
| Second producing format | ion BALLTOW | N SPEEC | HLY | | Pay zor | ne dep | th (ft) 4059' - | - 3257' |
| Gas: Initial open flow | MCF/d Oi | l: Initial o | pen flov | v 0 | Bb | 1/d | | |
| Final open flow | MCF/d | Final op | en flow | 0 | '_Bb | l/d | | |
| Time of open flow bet | tween initial and f | inal tests | 0 | | Hours | | | |
| Static rock Pressure | | urface pre | | fter | Hour | S | | |
| | P 8 (- | F | | | | | | |
| NOTE: ON BACK OF T | HIS FORM PUT | THE FOL | LOWIN | G: 1). | DETAILS | OF PE | REORATED | INTERVALS. |
| FRACTURING OR STIN | | | | | | | | |
| DETAILED GEOLOGIC | | | | | | | | |
| WELLBORE. | THE THEOTHER OF | TIDETO | | 01,0,1 | | 0 00. | 21,0001, | |
| WEEEBORE. | | | | | | | | |
| Signed: 14 | | | | | | | 0 | RECEIVED e of Oil and Gas |
| Signed | | | | | | | Offic | enforted |
| D | DAMCEV | | | Doto | | 1/22 | /2010 | Of Oll and Gar |
| By: LEON | RAMSEY | _ | | Date | • | 4/23 | /2010 | e of Oil and Gas |
| | | | | | | | - | 2 3 2014 |
| | | | | | | | WVI | 1 |
| | | | | | | | Enviro | epartmon |
| | | | | | | | TONM | ental p |
| | | | | | | | | Pepartment of ental Protection |
| | | | | | | | | |

SUMMARY OF PROCEDURES AND ESTIMATED FORMATION TOPS FOR RAMSEY ASSOCIATED PETROLEUM, INC. #151 Osborn 1 Well

WIST OSSOINT WON

Lease Name: Osborn 1
API# 47- 021-05612
Longitude 80' 86'13.9
Latitude 39' 01'69.1
Auburn Quadrangle
Elevation 1238'
TROY DISTRICT
GILMER COUNTY, WEST VIRGINIA

| ZONE | DEPTH | GAS CHECK | REMARKS | |
|-------------|-------------|-----------|---------|--|
| | | | | |
| BIG LIME | 2011'-2043' | | | |
| BIG INJUN | 2044'-2137' | | | |
| GORDON | 2609'-2631' | | | |
| SPEECHLY | 3247'-3569' | | | |
| BALLTOWN | 3658'-4096' | | | |
| BENSON | 4669'-4681' | | | |
| ELK | 4862'-4980' | | | |
| | | | | |
| TOTAL DEPTH | 5005' | | | |

Perforations & Fracture Treatment Well Name: Osborne #1

API # 47-021-5612

T.D. _____ of 9.50 # 4 ½"

| 1st Stage- Elk - Benson (from 4964' to 4671') 60 QF 400 sks 20/40 500 gal. 15% HCL with Clay and Iron Stabilizer 16 perforations w/ 4 perforation balls 1, 2, 3 ppg @ 25-30 BBl per min |
|---|
| 2nd Stage- Balltown-Speechly (from 4059 'to 3257 ') 60 QF 400 sks 20/40 500 gal. 15% HCL with Clay and Iron Stabilizer 18 perforations w/ 6 perforation balls 1, 2, 3 ppg @ 25-30 BBl per min |

Farm name: Osbourne, Robert

DATE: 4/23/2010 API # :047-021-05613

Operator Well No.: Osbourne #3



State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work

| LOCATION: | | • | | |
|---|----------------|---|--------------|--------------|
| Elevation: 11137' | | Quadrangle: | Auburn | |
| District: Troy | | ty: Gilmer | | |
| Latitude: 9600 Feet South of 39 | Deg. 15 | Min 12 | Sec. | |
| Longitude: 7210 Feet West of 80 | Deg. 85 | Min. 8.69 | Sec. | |
| Company: Ramsey Associated Petroleum, Inc. | ٦ | L | 1 | 1 |
| | Casing & | Used in | Left in well | Cement fill |
| A 11 B O D 00 | Tubing | drilling | 201 | Up. Cu. Ft. |
| Address: P.O. Box 90 | 13" | - | 32' | |
| Glenville, WV 26351 | 9" | | 126' | Surface |
| Agent: Leon Ramsey | 7" | | 1011.8 | Surface |
| Inspector: David Gilbert | 4 1/2" | | 4993' | 3000' |
| Date Permit Issued: 9/5/08 | | | | |
| Date Well Work Commenced: 10/01/08 | | | | |
| Date Well Work Completed: 10/29/08 | | | | |
| Verbal Plugging: | | | | |
| Date Permission granted on: | | | | |
| Rotary X Cable Rig | | | | |
| Total Depth (feet): 5054' | | | | |
| Fresh Water Depth (ft.): 80' | | | | |
| | | | | |
| Salt Water Depth (ft.): n/a | | | | |
| | | | | |
| Is coal being mined in area (N/Y)? N | | | | |
| Coal Depths (ft.): | | | | |
| | | 1 | 1 | I |
| OPENFLOWDATA | | | | |
| | | | | |
| Producing formation Elk | Pay zone dep | th (ft) 4976'-48 | 86' | |
| Gas: Initial open flow MCF/d Oil: Initial o | pen flow 0 | Bbl/d | 0 | |
| | en flow 0 | Bbl/d | 0 | |
| Time of open flow between initial and final tests | | Hours | | |
| Static rock Pressure psig (surface pre | | Hours | | |
| L2 (| , | | | |
| Second producing formation Benson/Balltown | Pay zone denth | (ft) 4735'-3468 | ? ' | |
| Gas: Initial open flow MCF/d Oil: Initial o | • | Bbl/d | 0 | |
| - | pen flow 0 | '_Bbl/d | 0 | |
| Time of open flow between initial and final tests | | Hours | v | |
| Static rock Pressure psig (surface pre | | Hours _ | | |
| psig (surface pre | ssurc) artor | 9%° % | | |
| NOTE: ON BACK OF THIS FORM PUT THE FOL | LOWING: 1) I | DETAILS OF PE | REORATED II | NTERVALS |
| FRACTURING OR STIMULATING, PHYSICAL C | | | | |
| DETAILED GEOLOGICAL RECORD OF ALL FO | RMATIONS, A | NCLUDING CO | ALZENCOUNT | ERED BY THE |
| WELLBORE. | 197 | 10 To | · '9'6. | |
| 21- | Ų. | 7, 30, ~ (1 | 1/4 795 | |
| Signed: | | 1992 12 12 12 12 12 12 12 12 12 12 12 12 12 | • | |
| / / | | (9/10 ¹⁰ 7) | ! | |
| By: LEON RAMSEY | Date: | : | 12010 | |
| | | , C | %. | |
| | | | $\sim \sim$ | |

SUMMARY OF PROCEDURES AND ESTIMATED FORMATION TOPS FOR RAMSEY ASSOCIATED PETROLEUM, INC. #153 OSBORN 3 Well

Lease Name: OSBORN
API# 47- 021-05613
Longitude 80' 85'8.69
Latitude 39' 15'12
Auburn Quadrangle
Elevation 1238'
TROY DISTRICT
GILMER COUNTY, WEST VIRGINIA

| ZONE | DEPTH | GAS CHECK | REMARKS | _ |
|-------------|---------------|-----------|---------|---|
| | | | | |
| BIG LIME | 1917' – 1946' | | | |
| INJUN | 1947' – 2049' | | | |
| GORDON | 7513' – 2538' | | | |
| SPEECHLY | 3159' – 3478' | | | |
| BALLTOWN | 3564' – 4096' | | | |
| BENSON | 4579' – 4588' | | | |
| ELK | 4785' – 4976' | | | |
| | | | | |
| TOTAL DEPTH | 5054' | | | _ |

Perforations & Fracture Treatment

Well Name Osborne #3

API # 47-021-5613

T.D. _4993' of 9.50 # 4 ½"

| 1st Stage- Elk (from 4976' 'to 4886') 60 QF 400 sks 20/40 500 gal. 15% HCL with Clay and Iron Stabilizer 30 perforations w/ 14 perforation balls 1, 2, 3 ppg @25-30 BBl per min |
|---|
| Frac first stage-then shoot 2 nd stage-drop balls and acid |
| 2nd Stage- Benson-Balltown (from4585_' to _3468') 900 scf N2 500 gal. 15% HCL with Clay and Iron Stabilizer30 perforations w/14 perforation balls 1, 2, 3 ppg @25-30 BBl per min |
| 1 st Baffle@ 3.56"@3288' |
| 3rd Stage- Speechly (from 3256 'to 3200') 60QF 400 sks 20/40 500 gal. 15% HCL with Clay and Iron Stabilizer 20 perforations w/ 9 perforation balls 1, 2, 3 ppg @25-30 BBl per min |

DATE: 4/23/2010 API # : 47-021-5639



State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work

| Farm name: Zinn, Manley LOCATION: Elevation: 933' | | | _ | | l No.: Zinn #21 | |
|--|------------------|-----------------|-------------------|------------|-----------------|-------------|
| District: Troy | | | | _ | Auburn 7.5' | |
| Latitude: 3910' Feet South of 39 | 9 Deg. | 07 | County Min | 25.1 | er Sec. | |
| Longitude 5100' Feet West of 80 | 0 | 85 | Min. | 13.7 | | |
| Company: Ramsey Associated Petroluem, Inc. | 6. | 63 | IVIIII. | 13.7 | Sec. | |
| ompany. Tan <u>noy Hissociated Federacini, me.</u> | Casing | & II | Jsed in | | Left in well | Cement fill |
| | Tubing | | drilling | | Lett iii well | |
| Address: P.O. Box 90 | 13 " | | nining | | 32' | Up. Cu. Ft. |
| Glenville, WV 26351 | 9" | | | | 126' | Curfosa |
| Agent: Leon Ramsey | 7" | | | | | Surface |
| Inspector: David Gilbert | 4 1/2" | | | | 1032' | Surface |
| | 4 1/2 | | | | 5008' | 4000' |
| | | | | | | |
| Date Well Work Commenced: 10/31/08 | | | | | | |
| Date Well Work Completed: 12/18/08 | | | | | - | |
| Verbal Plugging: | | | | | | |
| Date Permission granted on: | | | | | | |
| Rotary X Cable Rig | | | | | | |
| Total Depth (feet): 5050' | | | | | | |
| Fresh Water Depth (ft.): 70' | | | | | | |
| | | | | | | |
| Salt Water Depth (ft.): 1612' | | | | | | |
| | | | | | | |
| Is coal being mined in area (N/Y)? N | | | | | | |
| Coal Depths (ft.): | | | | | | |
| 1 | | ı, | | ' | | |
| OPENFLOWDATA | | | | | | |
| | | | | | | |
| Producing formation ALEXANDER BENSON | N Pay zo | ne depth | (ft) 498 | 0'-4 | 534' | |
| Gas: Initial open flow No test MCF/d Oil: Ir | nitial open flow | 0 | Bbl/ | d | | |
| Final open flow No test MCF/d Fi | inal open flow | 0 | Bbl/ | ď | | |
| Time of open flow between initial and final | tests | | Hours | | | |
| 1 | ace pressure) af | ter | Hours | | | |
| r8 (| | | | | | |
| Second producing formation BALLTOWN SP | PEECHLY | Pay zon | e denth (| ft) 38 | 87' – 3253' | |
| Gas: Initial open flow No test MCF/d Oil: In | | | Bbl | | 0, 0200 | |
| • | inal open flow | | '_Bbl | | | |
| Time of open flow between initial and final | | | Hours | <i>,</i> u | | |
| | ice pressure) af | | Hours | , | | |
| NOTE: ON BACK OF THIS FORM PUT THE | | | | | REOR ATED IN | UTERVALS |
| FRACTURING OR STIMULATING, PHYSIC | | | | | | |
| DETAILED GEOLOGICAL RECORD OF AL | L FORMATIO | INS. INC | CLUDIN | G.CO | AL ENCOUNT | ERED BY THE |
| DETAILED GEOLOGICAL RECORD OF AI WELLBORE. | | , , , , , , , , | | 1110 (| aas | |
| 2 1 | | API | R 2 3 20 | 74.0 | | |
| Signed: | | | 406 | 114 | | |
| | V | VV DA | non | | | |
| By: LEON RAMSEY | Envi | Date: | railme | 4/23/ | 2010 | |
| | | e | partme Ital Pr | otec | tion | |
| | | | | | 4011 | |

SUMMARY OF PROCEDURES AND ESTIMATED FORMATION TOPS FOR RAMSEY ASSOCIATED PETROLEUM, INC. ZINN #21

Lease Name: Zinn
API# 47-021-5639
Gilmer 7.5' Quadrangle
Elevation 933'
TROY DISTRICT
GILMER COUNTY, WEST VIRGINIA

| ZONE | DEPTH | GAS CHECK | REMARKS | |
|------------------|-------------|-----------|---------|---|
| LITTLE LIME | 1672'-1718' | | | _ |
| BIG LIME | 1718'-1793' | | | |
| BIG INJUN | 1793'-1882' | | | |
| SPEECHLEY | 3096'-3342' | | | |
| BALLTOWN | 3342-3880' | | | |
| RILEY | 4163'-4243' | | | |
| BENSON | 4518'-4532' | | | |
| ELK | 4638'-4743' | | | |
| ALEXANDER | 4810'-4970' | | | |
| | | | | |
| | | | | |

TOTAL DEPTH 5050'

 Perforations & Fracture Treatment

 Well Name:
 ZINN 21

 API # 47 021-05639

 T.D.
 5008'
 of 9.50 # 4 ½"

| _60QF | 400 sks 20/40 | (from <u>4980</u> ' to <u>4814</u> ') |
|------------------------------------|---|--|
| 20 | HCL Iron Stabilizer perforations w/ 25-30 BBl per min | perforation balls |
| 60 QF QF | sks 20/40 | (from 4818 'to 4534 ') |
| <u> </u> | perforations w/ 25-30 BBl per min | perforation balls |
| QF 500 gal. 15% l 750 SCF N2 | sks 20/40 | CHLY (from <u>3887</u> ' to <u>3253</u> ') |
| 20 | perforations w/ 25-30 BBl per min | perforation balls |

DATE: 6/29/2010 API #: 47-021-5640

State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Work



Operator Well No.: Zinn #22 Farm name: Zinn, Manley LOCATION: Elevation: 1090' Quadrangle: Auburn 7.5' County: Gilmer District: Troy Latitude: 2900' Feet South of 39 07 Min 53 Sec. Deg. Longitude 5010' Feet West of 80 Deg. 85 Min. 11.1 Sec. Company: Ramsey Associated Petroluem, Inc. Casing & Used in Left in well Cement fill Tubing drilling Up. Cu. Ft. 13 " Address: P.O. Box 90 37 9" Glenville, WV 26351 126' Surface 7" 1037 Surface Agent: Leon Ramsey Inspector: David Gilbert 4 1/2" 4856' 3000° Date Permit Issued: 10/27/08 Date Well Work Commenced: 11/09/08 Date Well Work Completed: 05/29/09 Verbal Plugging: Date Permission granted on: Rotary X Cable Rig Total Depth (feet): 5010' Fresh Water Depth (ft.): 55' Salt Water Depth (ft.): 1769' Is coal being mined in area (N/Y)? N Coal Depths (ft.): **OPENFLOWDATA** RECEIVED

| Producing formation ELK BENSON | | Pay zone dep | oth (ft) 4774' - | -4496'CO OF OH |
|--------------------------------|-----------------------|-----------------|------------------|------------------------------|
| Gas: Initial open flow No test | MCF/d Oil: Initia | al open flow 0 | Bbl/d | - 4996ce of Oil and Gas |
| Final open flow No test | MCF/d Final | open flow 0 | Bbl/d | ADD 6 6 co |
| Time of open flow between | initial and final tes | sts | Hours | APR 2 3 2014 |
| Static rock Pressure | | pressure) after | Hours | WV Department of |
| | | | Free P | wire of |
| Second producing formation B. | ALLTOWN SPEE | CCHLY Pay z | one depth (ft) | 3802 nr 2839 tal Protection |
| Gas: Initial open flow No test | MCF/d Oil: Initia | al open flow 0 | Bbl/d | |
| Final open flow No test | MCF/d Final | open flow 0 | <u>'</u> Bbl/d | |
| Time of open flow between | initial and final tes | sts | Hours | |
| Static rock Pressure | psig (surface | pressure) after | Hours | |
| NOTE: ON BACK OF THIS FO | | | | |
| FRACTURING OR STIMULA | TING, PHYSICAL | L CHANGE, ETC | . 2). THE WEI | LL LOG WHICH IS A SYSTEMATIC |
| DETAILED GEOLOGICAL RI | ECORD OF ALL | FORMATIONS, I | NCLUDING C | COAL ENCOUNTERED BY THE |
| WELLBORE. | | | | |
| Signed: | | | | |
| By: LEON RAMSEY | | Date: | 6/29/2010 | |

SUMMARY OF PROCEDURES AND ESTIMATED FORMATION TOPS FOR RAMSEY ASSOCIATED PETROLEUM, INC. ZINN #22

Lease Name: Zinn
API# 47-021-5640
Gilmer 7.5' Quadrangle
Elevation 1090'
TROY DISTRICT
GILMER COUNTY, WEST VIRGINIA

| ZONE | DEPTH | GAS CHECK | REMARKS |
|------------------|---------------|-----------|---------|
| LITTLE LIME | 1902' – 1946' | | |
| BIG LIME | 1945' – 2027' | | |
| BIG INJUN | 2027' – 2098' | | |
| SPEECHLEY | 2814' – 3309' | | |
| BALLTOWN | 3416' – 3821' | | |
| BENSON | 4446' – 4457' | | |
| ALEXANDER | 4604' – 4810' | | |
| | | | |
| | | | |

TOTAL DEPTH 5010'

Perforations & Fracture Treatment
Well Name: __ZINN 22_____ API # 47-021-05640 T.D. 4856 of 9.50 # 4 ½"

| 1st Stage- | EI | K-BENSON | (from | 4774 | ' to | 4446 | ') |
|----------------------------|------------|--------------|-------------|----------|------|----------------|---------------|
| _60QF | <u>400</u> | sks 20/40 | | | | | |
| 500 gal. 15% | HCL | | | | | | |
| with Clay and | l Iron St | abilizer | | | | | |
| 16 | per | forations w/ | _4perforati | on balls | | | |
| 1, 2, 3 ppg @ | 25-30 B | Bl per min | | | | | |
| 2nd Stage 60 QF | | | ECHLY | (from | 3802 | ' to <u>28</u> | 39 <u>'</u>) |
| 500 gal. 15% with Clay and | HCL | | | | | | |
| • | | | _6perforati | on balls | | | |
| 1, 2, 3 ppg @ | 25-30 B | Bl per min | | | | | |
| | | | | | | | |
| | | | | | | | |